

## EAST Search History

| Ref # | Hits | Search Query                     | DBs                            | Default Operator | Plurals | Time Stamp       |
|-------|------|----------------------------------|--------------------------------|------------------|---------|------------------|
| L1    | 0    | "6441156" and cos7               | US-PGPUB;<br>USPAT;<br>DERWENT | OR               | ON      | 2007/01/26 11:57 |
| L2    | 5    | "6441156" and cos\$2             | US-PGPUB;<br>USPAT;<br>DERWENT | OR               | ON      | 2007/01/26 12:06 |
| L3    | 5    | "6441156" and gabapentin         | US-PGPUB;<br>USPAT;<br>DERWENT | OR               | ON      | 2007/01/26 12:17 |
| L4    | 5    | "6441156" and voltage            | US-PGPUB;<br>USPAT;<br>DERWENT | OR               | ON      | 2007/01/26 12:34 |
| L5    | 1    | "6441156" and insoluble          | US-PGPUB;<br>USPAT;<br>DERWENT | OR               | ON      | 2007/01/26 12:35 |
| L6    | 5    | "6441156" and soluble            | US-PGPUB;<br>USPAT;<br>DERWENT | OR               | ON      | 2007/01/26 12:39 |
| L7    | 4    | "6441156" and large adj scale    | US-PGPUB;<br>USPAT;<br>DERWENT | OR               | ON      | 2007/01/26 12:49 |
| L8    | 0    | "6441156" and membrane adj bound | US-PGPUB;<br>USPAT;<br>DERWENT | OR               | ON      | 2007/01/26 12:49 |
| L9    | 6    | "6441156" and membrane           | US-PGPUB;<br>USPAT;<br>DERWENT | OR               | ON      | 2007/01/26 15:19 |
| L10   | 5    | "6441156" and brown              | US-PGPUB;<br>USPAT;<br>DERWENT | OR               | ON      | 2007/01/26 15:20 |
| S1    | 7    | "6441156"                        | US-PGPUB;<br>USPAT;<br>DERWENT | OR               | ON      | 2007/01/08 15:14 |
| S2    | 4    | S1 and trunc\$5                  | US-PGPUB;<br>USPAT;<br>DERWENT | OR               | ON      | 2007/01/08 15:14 |
| S3    | 4    | S2 and calcium adj channel       | US-PGPUB;<br>USPAT;<br>DERWENT | OR               | ON      | 2007/01/08 15:26 |
| S4    | 1    | "10088876"                       | US-PGPUB;<br>USPAT;<br>DERWENT | OR               | ON      | 2007/01/08 15:26 |
| S5    | 0    | "10 adj 088876"                  | US-PGPUB;<br>USPAT;<br>DERWENT | OR               | ON      | 2007/01/08 15:27 |

## EAST Search History

|     |        |                             |                                |    |    |                  |
|-----|--------|-----------------------------|--------------------------------|----|----|------------------|
| S6  | 0      | "10/088876"                 | US-PGPUB;<br>USPAT;<br>DERWENT | OR | ON | 2007/01/08 15:27 |
| S7  | 28     | "088876"                    | US-PGPUB;<br>USPAT;<br>DERWENT | OR | ON | 2007/01/08 15:28 |
| S8  | 19     | brown adj jason and calcium | US-PGPUB;<br>USPAT;<br>DERWENT | OR | ON | 2007/01/08 15:38 |
| S9  | 0      | betelli adj francois        | US-PGPUB;<br>USPAT;<br>DERWENT | OR | ON | 2007/01/08 15:39 |
| S10 | 3      | bertelli adj francois       | US-PGPUB;<br>USPAT;<br>DERWENT | OR | ON | 2007/01/08 15:40 |
| S11 | 3      | bertelli near francois      | US-PGPUB;<br>USPAT;<br>DERWENT | OR | ON | 2007/01/08 15:40 |
| S12 | 56     | brown adj jason             | US-PGPUB;<br>USPAT;<br>DERWENT | OR | ON | 2007/01/08 15:40 |
| S13 | 56     | S12 or S11                  | US-PGPUB;<br>USPAT;<br>DERWENT | OR | ON | 2007/01/08 15:40 |
| S14 | 0      | S13 and "calcium.clm"       | US-PGPUB;<br>USPAT;<br>DERWENT | OR | ON | 2007/01/08 15:41 |
| S15 | 0      | S13 and "calcium.clm."      | US-PGPUB;<br>USPAT;<br>DERWENT | OR | ON | 2007/01/08 15:41 |
| S16 | 9      | S13 and calcium.clm.        | US-PGPUB;<br>USPAT;<br>DERWENT | OR | ON | 2007/01/08 15:44 |
| S17 | 19848  | calcium same channel        | US-PGPUB;<br>USPAT;<br>DERWENT | OR | ON | 2007/01/08 15:44 |
| S18 | 13758  | calcium near channel        | US-PGPUB;<br>USPAT;<br>DERWENT | OR | ON | 2007/01/08 15:44 |
| S19 | 767408 | S17 and delta or alpha      | US-PGPUB;<br>USPAT;<br>DERWENT | OR | ON | 2007/01/08 15:45 |
| S20 | 5434   | S17 and delta and alpha     | US-PGPUB;<br>USPAT;<br>DERWENT | OR | ON | 2007/01/08 15:45 |

## EAST Search History

|     |     |                               |                                |    |    |                  |
|-----|-----|-------------------------------|--------------------------------|----|----|------------------|
| S21 | 419 | S20 and @py<"2000"            | US-PGPUB;<br>USPAT;<br>DERWENT | OR | ON | 2007/01/08 15:45 |
| S22 | 810 | S20 and @ay<"2000"            | US-PGPUB;<br>USPAT;<br>DERWENT | OR | ON | 2007/01/08 15:46 |
| S23 | 118 | S22 and calcium.clm.          | US-PGPUB;<br>USPAT;<br>DERWENT | OR | ON | 2007/01/08 15:46 |
| S24 | 82  | S23 and channel.clm.          | US-PGPUB;<br>USPAT;<br>DERWENT | OR | ON | 2007/01/08 15:46 |
| S25 | 0   | S24 and apha adj "2"          | US-PGPUB;<br>USPAT;<br>DERWENT | OR | ON | 2007/01/08 15:47 |
| S26 | 1   | S24 and (alpha-2).clm.        | US-PGPUB;<br>USPAT;<br>DERWENT | OR | ON | 2007/01/08 15:48 |
| S27 | 1   | S22 and (alpha-2).clm.        | US-PGPUB;<br>USPAT;<br>DERWENT | OR | ON | 2007/01/08 15:49 |
| S28 | 0   | S22 and (delta-2).clm.        | US-PGPUB;<br>USPAT;<br>DERWENT | OR | ON | 2007/01/08 15:49 |
| S29 | 122 | S22 and (delta or alpha).clm. | US-PGPUB;<br>USPAT;<br>DERWENT | OR | ON | 2007/01/08 15:49 |
| S30 | 1   | S29 and alpha2.clm.           | US-PGPUB;<br>USPAT;<br>DERWENT | OR | ON | 2007/01/08 15:50 |
| S31 | 7   | "6441156"                     | US-PGPUB;<br>USPAT;<br>DERWENT | OR | ON | 2007/01/23 11:33 |
| S32 | 4   | S31 and deletion              | US-PGPUB;<br>USPAT;<br>DERWENT | OR | ON | 2007/01/23 11:37 |
| S33 | 1   | S32 and c adj terminal        | US-PGPUB;<br>USPAT;<br>DERWENT | OR | ON | 2007/01/23 11:33 |
| S34 | 4   | S32 and soluble               | US-PGPUB;<br>USPAT;<br>DERWENT | OR | ON | 2007/01/23 11:37 |

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(FILE 'HOME' ENTERED AT 16:46:56 ON 26 JAN 2007)

FILE 'MEDLINE, CAPLUS, BIOSIS, PCTFULL' ENTERED AT 16:47:30 ON 26 JAN 2007

L1 8167 S GABAPENT?  
L2 149356 S CALCIUM (1W) CHANNEL  
L3 1257 S L1 (L) L2  
L4 423 S L3 AND ALPHA (1S) DELTA  
L5 423 S L3 (L) L4  
L6 713 S L3 AND ALPHA  
L7 469 S L6 AND DELTA  
L8 394 DUP REM L7 (75 DUPLICATES REMOVED)  
L9 356 S L8 AND DELTA (1S) 2  
L10 17 S L9 AND DELTA-2  
L11 0 S L10 AND PY<2000  
E BROWN JASON P /AU  
L12 29 S E3 OR E4  
E BERTELLI FRANCOIS /AU  
L13 10 S E3  
L14 34 S L12 OR L13  
L15 14 S L14 AND CALCIUM (1S) CHANNEL  
L16 10 S L15 AND ALPHA  
L17 8 DUP REM L16 (2 DUPLICATES REMOVED)

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L17 ANSWER 1 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN  
 TI Protein and nucleotide sequences of human and porcine alpha2delta-1  
 calcium channel subunit cDNA and soluble secreted  
 alpha2delta-1 subunit polypeptides  
 IN Brown, Jason Peter; Gee, Nicolas Steven  
 PY 2005  
 2005  
 SO U.S. Pat. Appl. Publ., 48 pp., Division of U.S. Ser. No. 397,548.  
 CODEN: USXXCO

L17 ANSWER 2 OF 8 BIOSIS COPYRIGHT (c) 2007 The Thomson Corporation on STN  
 TI Porcine alpha 2 delta-1 calcium channel  
 subunit cDNA and soluble secreted alpha 2 delta-1 subunit  
 polypeptides.  
 AU Brown, Jason Peter [Inventor]; Gee, Nicolas Steven [Inventor]  
 PY 2005  
 SO Official Gazette of the United States Patent and Trademark Office Patents,  
 (NOV 8 2005)  
 CODEN: OGUPE7. ISSN: 0098-1133.

L17 ANSWER 3 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN  
 TI Method for the screening of voltage-dependent calcium  
 channel .alpha.2delta-1 subunit binding ligands  
 IN Bertelli, Francois; Brown, Jason Peter; Dissanayake,  
 Visaka; Suman-Chauhan, Nirmala; Gee, Nicolas Steven  
 PY 2001  
 2001  
 2001  
 2002  
 2002  
 2003  
 2003  
 2005  
 2005  
 SO PCT Int. Appl., 157 pp.  
 CODEN: PIXXD2

L17 ANSWER 4 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN  
 TI Secreted soluble .alpha.2delta2, . alpha.2delta3 or  
 .alpha.2delta4 calcium channel subunit  
 polypeptides and screening assays using same  
 IN Brown, Jason Peter; Bertelli, Francois  
 PY 2001  
 2002  
 2004  
 2001  
 2002  
 2002  
 2003  
 2005  
 SO PCT Int. Appl., 160 pp.  
 CODEN: PIXXD2

L17 ANSWER 5 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN DUPLICATE 1  
 TI Cloning and deletion mutagenesis of the .alpha.2delta  
 calcium channel subunit from porcine cerebral cortex.  
 Expression of a soluble form of the protein that retains [3H]gabapentin  
 binding activity  
 AU Brown, Jason P.; Gee, Nicolas S.  
 PY 1998  
 SO Journal of Biological Chemistry (1998), 273(39), 25458-25465  
 CODEN: JBCHA3; ISSN: 0021-9258

L17 ANSWER 6 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN  
 TI Isolation of the [3H]gabapentin-binding protein/.alpha.28  
 Ca2+ channel subunit from porcine brain: development of a radioligand  
 binding assay for .alpha.28 subunits using [3H]leucine  
 AU Brown, Jason P.; Dissanayake, Visaka U. K.; Briggs, Alex R.;  
 Milic, Mihajlo R.; Gee, Nicolas S.  
 PY 1998  
 SO Analytical Biochemistry (1998), 255(2), 236-243  
 CODEN: ANBCA2; ISSN: 0003-2697

L17 ANSWER 7 OF 8 PCTFULL COPYRIGHT 2007 Univentio on STN  
 TIEN USE OF GABAPENTIN IN THE TREATMENT OF ANXIETY AND PANIC  
 TIFR UTILISATION DE LA GABAPENTINE DANS LE TRAITEMENT DE L'ANXIETE ET DE LA  
 PANIQUE  
 IN WOODRUFF, Geoffrey, Neil;  
 GEE, Nicolas, S.;  
 SINGH, Lakhbir;  
 BROWN, Jason, P.

L17 ANSWER 8 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN DUPLICATE 2  
 TI The novel anticonvulsant drug, gabapentin (Neurontin), binds to the .  
 alpha.28 subunit of a calcium channel  
 AU Gee, Nicolas S.; Brown, Jason P.; Dissanayake, Visaka U. K.;  
 Offord, James; Thurlow, Richard; Woodruff, Geoffrey N.  
 PY 1996  
 SO Journal of Biological Chemistry (1996), 271(10), 5768-76  
 CODEN: JBCHA3; ISSN: 0021-9258